

APPENDIX B
ECBC AIR MONITORING RESULTS

LIMA POND

From: Riley, Shane P Mr. SBCCOM [shane.riley@sbccom.apgea.army.mil]
Sent: Thursday, April 11, 2002 8:07 PM
Subject: 'douglas.f.rhodes(a)hnd01.usace.army.mil'; Penhollow, David M Mr. SBCCOM; Rosso, Thomas E SBCCOM; Ditillo, John T SBCCOM; Cudney, Joseph
sitrep 4/11/02



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ECBC Situation Report

11 April 2002

First day of sampling at Lima Pond.

Minicams:

Continuous monitoring revealed no HD or L at or around area being sampled

Soil headspace was cleared for HD and L for the following samples:

LP-SD01-1
LP-SD02-1
LP-SD03-1
LP-SD04-1
LP-SD05-1
LP-SD06-1

DAAMS:

Four pumps were set out around the work area and the tubes analyzed for HD and L. The samples were given the following numbers:

0204110095
0204110096
0204110097
0204110098

All were clear for HD and L

OPFTIR:

Open path FTIR scans were taken continuously throughout the operation and no HD or L was detected.

Prepared by:

Shane P. Riley

Edgewood Chemical Biological Center (ECBC) Daily Situation and Clearance Report

April 15, 2002

Pelham Range, Alabama

Comments

- Site-Safety meeting held at 0630.
- Investigation operations at Lima Pond.
- RTAP generator went down at end of ops. Rented generator was fixed and tested by MINICAM operator (during end of day shut down).

Site Personnel

COE Rep: Douglas Rhodes

ECBC POC: Courtney Cotton

MAP Analysts: Chris Druyor

Sample Technician: Charlie Dennis

MINICAMS Operators: Jerry Maclin and John-Michael Gore

OPFTIR Operator: Michael Halen

DAAMS Results Analyzed by GC/MS: None Analyzed

Sample #	Position/ Item	Results (ng)		
		Mustard (HD)	Sarin (GB)	Lewisite (L)

Notes: ND= not detected

MINICAMS Results at Investigation Site

MINICAMS reported no detections.

MINICAMS Headspace Results: None Analyzed

Sample #	Site Identification	Type	Results		
			HD	L	GB

Notes: ND= not detected

MINICAMS Results at IHF

No monitoring performed.

OPFTIR

OPFTIR was operational and reported no detections.

Prepared by:

Courtney Cotton

Edgewood Chemical Biological Center (ECBC) Daily Situation and Clearance Report

April 16, 2002

Pelham Range, Alabama

Comments

- Site-Safety meeting held at 0630.
- Investigation operations finished at Lima Pond.
- All monitoring equipment packed up and taken to yard at Bldg 215 at Ft. McClellan.
- There was a maintenance problem with the Mass Spec, and therefore no DAAMS tubes were analyzed today.

Site Personnel

COE Rep: Douglas Rhodes

ECBC POC: Courtney Cotton

MAP Analysts: Chris Druyor

Sample Technician: Charlie Dennis

MINICAMS Operators: Jerry Maclin and John-Michael Gore

OPFTIR Operator: Michael Halen

DAAMS Results Analyzed by GC/MS: None Analyzed

Sample #	Position/ Item	Results (ng)		
		Mustard (HD)	Sarin (GB)	Lewisite (L)

Notes: ND= not detected

MINICAMS Results at Investigation Site

MINICAMS reported no detections.

MINICAMS Headspace Results: None Analyzed

Sample #	Site Identification	Type	Results		
			HD	L	GB

Notes: ND= not detected

Edgewood Chemical Biological Center (ECBC)

Daily Situation and Clearance Report

April 17, 2002

Pelham Range, Alabama

Comments

- Maintenance performed on Mass Spec and all previous days DAAMS tubes were analyzed and cleared for all agents

Site Personnel

COE Rep: Douglas Rhodes

ECBC POC: Courtney Cotton

MAP Analysts: Chris Druyor

Sample Technician: Charlie Dennis

MINICAMS Operators: Jerry Maclin and John-Michael Gore

OPFTIR Operator: Michael Halen

DAAMS Results Analyzed by GC/MS:

Sample #	Position/ Item	Results (ng)		
		Mustard (HD)	Sarin (GB)	Lewisite (L)
0204150107-PEL	LP-A	ND	NA	ND
020415108-PEL	LP-B	ND	NA	ND
020415109-PEL	LP-C	ND	NA	ND
020415110-PEL	LP-D	ND	NA	NA
020416111-PEL	LP-A	ND	NA	ND
020416112-PEL	LP-B	ND	NA	ND
020416113-PEL	LP-C	ND	NA	ND
020416114-PEL	LP-D	ND	NA	ND
020416115-PEL	SCRAP (barbed wire)	ND	NA	ND

Notes: ND= not detected

Prepared by:

Courtney Cotton

MINICAMS Results at IHF
No monitoring performed.

OPFTIR
OPFTIR was operational and reported no detections.

Prepared by:

Courtney Cotton

OLD WATER HOLE

Edgewood Chemical Biological Center (ECBC)

Daily Situation and Clearance Report

April 2, 2002

Pelham Range, Alabama

Site Personnel

COE Rep: Douglas Rhodes

ECBC POC: Christopher C. Keiser

MAP Analysts: John Schwarz and Shane Riley

Sample Technician: Elizabeth Horn

MINICAMS Operators: Todd Duff and Jeff Caldwell

OPFTIR Operator: Christopher C. Keiser

Comments

- Site-Safety meeting held at 0630.
- Investigation operations started at the Old Water Hole.
- Monitoring activities went relatively smoothly, with only minor problems with the RF links. Caldwell noted that link interruptions may be caused by an overhead power line near the repeater antennas. Moving transceivers across the road from the line seems to have helped. Include this note to other users of the RF transceivers.

DAAMS Results Analyzed by GC/MS

Sample #	Position/ Item	Results (ng)		
		Mustard (HD)	Sarin (GB)	Lewisite (L)
0204020005-PEL	WH-A	ND	ND	ND
0204020006-PEL	WH-B	ND	ND	ND
0204020007-PEL	WH-C	ND	ND	ND
0204020008-PEL	WH-D	ND	ND	ND
0204020009-PEL	WH-A	ND	ND	ND
0204020010-PEL	WH-B	ND	ND	ND
0204020011-PEL	WH-C	ND	ND	ND
0204020012-PEL	WH-C	ND	ND	ND

Notes: ND= not detected

MINICAMS Results at Investigation Site

Initial MINICAMS challenges and calibrations were completed at approximately 0830.

MINICAMS reported no detections.

MINICAMS Results at IHF

No monitoring performed.

OPFTIR

OPFTIR was operational at approximately 0830. OPFTIR reported no detections.

Prepared by:

Christopher C. Keiser

Edgewood Chemical Biological Center (ECBC) Daily Situation and Clearance Report

April 3, 2002

Pelham Range, Alabama

Site Personnel

COE Rep: Douglas Rhodes

ECBC POC: Christopher C. Keiser

MAP Analysts: John Schwarz and Shane Riley

Sample Technician: Elizabeth Horn

MINICAMS Operators: Todd Duff and Jeff Caldwell

OPFTIR Operator: Christopher C. Keiser

DAAMS Results Analyzed by GC/MS

Sample #	Position/ Item	Results (ng)		
		Mustard (HD)	Sarin (GB)	Lewisite (L)
0204020019-PEL	WH-A	ND	ND	ND
0204020020-PEL	WH-B	ND	ND	ND
0204020021-PEL	WH-C	ND	ND	ND
0204020022-PEL	WH-D	ND	ND	ND
0204020023-PEL	WH-A	ND	ND	ND
0204020024-PEL	WH-B	ND	ND	ND
0204020025-PEL	WH-C	ND	ND	ND
0204020026-PEL	WH-C	ND	ND	ND

Notes: ND= not detected

MINICAMS Results at Investigation Site

Initial MINICAMS calibrations and challenges were completed at approximately 0800.

MINICAMS reported no detections.

MINICAMS Headspace Results

Site Identification	Type	Results		
		HD	L	GB
WHSS01-1	Soil	ND	ND	ND
WHSS02-1-5'	Soil	ND	ND	ND
WHSS03-1-5'	Soil	ND	ND	ND
WHSS04-1	Soil	ND	ND	ND

MINICAMS Results at IHF

No monitoring performed.

OPFTIR

OPFTIR was operational at approximately 0830. OPFTIR reported no detections.

Prepared by:

Christopher C. Keiser

Edgewood Chemical Biological Center (ECBC) Daily Situation and Clearance Report

April 4, 2002

Pelham Range, Alabama

Site Personnel

COE Rep: Douglas Rhodes

ECBC POC: Christopher C. Keiser

MAP Analysts: John Schwarz and Shane Riley

Sample Technician: Elizabeth Horn

MINICAMS Operators: Todd Duff and Jeff Caldwell

OPFTIR Operator: Christopher C. Keiser

DAAMS Results Analyzed by GC/MS

Sample #	Position/ Item	Results (ng)		
		Mustard (HD)	Sarin (GB)	Lewisite (L)
0204040035-PEL	WH-A	ND	ND	ND
0204040036-PEL	WH-B	ND	ND	ND
0204040037-PEL	WH-C	ND	ND	ND
0204040038-PEL	WH-D	ND	ND	ND
0204040039-PEL	WH-A	ND	ND	ND
0204040040-PEL	WH-B	ND	ND	ND
0204040041-PEL	WH-C	ND	ND	ND
0204040042-PEL	WH-C	ND	ND	ND

Notes: ND= not detected

MINICAMS Results at Investigation Site

Initial MINICAMS calibrations and challenges were completed at approximately 0830.

MINICAMS reported no detections.

MINICAMS Headspace Results

Sample #	Site Identification	Type	Results		
			HD	L	GB
0204040043-PEL	WH.SS05.1	Soil	ND	ND	---
0204040044-PEL	WH.SS05.1	Soil	---	---	ND
0204040045-PEL	WH.SS06.1	Soil	ND	ND	---
0204040046-PEL	WH.SS06.1	Soil	---	---	ND

Notes: ND= not detected

MINICAMS Results at IHF
No monitoring performed.

OPFTIR
OPFTIR was operational at approximately 0830. OPFTIR reported no detections.

Prepared by:

Christopher C. Keiser

FORMER DECON AREA

From: Riley, Shane P Mr. SBCCOM [shane.riley@sbccom.apgea.army.mil]
Sent: Thursday, April 11, 2002 7:56 PM
Subject: Penhollow, David M Mr. SBCCOM; Cudney, Joseph
sitrep 4/08/02



ATTACHMENT TXT

April 8, 2002

Situation Report for ECBC

First intrusive day at the former decon area (DA)

DAAMS: Air samples were taken at four locations around the dig site.

The samples were given the following numbers and analyzed for HD:

0204080049-PEL (DA-A)

0204080050-PEL (DA-B)

0204080051-PEL (DA-C)

0204080052-PEL (DA-D)

None of the samples were found to contain any HD.

Minicams:

There were no readings for HD
on the minicams

OPFTIR:

Open path FTIR scans were run during intrusive work and no HD was
detected.

Prepared by:

Shane P. Riley

From: Riley, Shane P Mr. SBCCOM [shane.riley@sbccom.apgea.army.mil]
Sent: Thursday, April 11, 2002 7:58 PM
Penhollow, David M Mr. SBCCOM; Cudney, Joseph



ATTACHMENT.TXT

April 9, 2002

Situation Report for ECBC

Digging continued at the former decon area (DA)

DAAMS: Air samples were taken at four locations around the dig site.

The samples were given the following numbers and analyzed for HD:

0204080055-PEL (DA-A)

0204080056-PEL (DA-B)

0204080057-PEL (DA-C)

0204080058-PEL (DA-D)

None of the samples were found to contain any HD.

Minicams:

There were no readings for HD
on the minicams

FTIR:

Open path FTIR scans were run during intrusive work and no HD was
detected.

Prepared by:

Shane P. Riley

Author: , "Riley, Shane P Mr. SBCCOM" <shane.riley@sbccom.apgea.army.mil> at NetTalk
Date: 4/10/02 19:24
Normal
Jeff Ulmer at PARATL1
Subject: soil clearance

----- Message Contents

ECBC Soil Sample Clearance Report

The following soil samples were heated and their headspace cleared for HD by
Minicams operators Jon Gore and Jerry Maclin:

Taken 4/09/02
FD-SS10-1 & FDSB-10-1

Taken 4/10/02
FDSS11-1 & FDSB11-1-2'
FDSS12-1 & FDSB12-1-2'
FDSS09-1 & FDSB09-1-2'
FDSS08-1 & FDSB08-1-2'
FDSS06-1 & FDSB06-1-2'
FDSS07-1 & FDSB07-1-2'
FDSS04-1 & FDSB04-1-2'
FDSS01-1 & FDSB01-1-2'
FDSS02-1 & FDSB02-1-2'
FDSS05-1 & FDSB05-1-2'
FDSS03-1 & FDSB03-1-2'

Person of Contact: Shane P. Riley

From: Riley, Shane P Mr. SBCCOM [shane.riley@sbccom.apgea.army.mil]
Sent: Thursday, April 11, 2002 8:01 PM
Subject: Penhollow, David M Mr. SBCCOM; Cudney, Joseph
sitrep 4/10/02



ATTACHMENT TXT

April 10, 2002

Situation Report for ECBC

Last day at the former decon area (DA)

DAAMS: Air samples were taken at four locations around the dig site.

The samples were given the following numbers and analyzed for HD:
samples 73-76: first shift and 77-80: second shift

0204100073-PEL
0204100074-PEL
0204100075-PEL
0204100076-PEL
0204100077-PEL
0204100078-PEL
0204100079-PEL
0204100080-PEL

None of the samples were found to contain any HD.

Minicams:

There were no readings for HD
on the minicams (continuous monitoring)
The following soil samples were taken and their headspace cleared for
HD:

FDSS11-1 & FDSB11-1-2'
FDSS12-1 & FDSB12-1-2'
FDSS09-1 & FDSB09-1-2'
FDSS08-1 & FDSB08-1-2'
FDSS06-1 & FDSB06-1-2'
FDSS07-1 & FDSB07-1-2'
FDSS04-1 & FDSB04-1-2'
FDSS01-1 & FDSB01-1-2'
FDSS02-1 & FDSB02-1-2'
FDSS05-1 & FDSB05-1-2'
FDSS03-1 & FDSB03-1-2'

OPFTIR:

Open path FTIR scans were run during intrusive work and no HD was
detected.

All equipment will be moved to Lima Pond tomorrow to begin operations
there.

Prepared by:

Shane P. Riley